

10/563832

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<110> OHIO UNIVERSITY
KOPCHICK, John J.
RIDERS, Markus
COSCHIGANO, Karen T.
GOSNEY, Elahu S.

<120> DIAGNOSIS AND TREATMENT METHODS RELATED TO AGING (AG)

<130> KOPCHICK8APCT

<140> PCT/US2004/21944

<141> 2004-07-08

<150> 60/485,422

<151> 2003-07-08

<160> 27

<170> PatentIn version 3.3

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cccaacaccg gaatgcctaa aggaaagatc caaaaagata aaaggaactc gnnaaacaag	180
aaccccgctt gtttaccaaa aacatcacct ctagcattac aagtattaga ggcaactgcct	240
gccagtgac taaagtttaa cggccgcggt atcctgaccg tgcaaaggta gcataatcac	300
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KOPCHICK8APCT (EDIS) (IPC).ST25.txt

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KOPCHICK8APCT (EDIS)(IPC).ST25.txt

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KOPCHICK8APCT (EDIS) (IPC).ST25.txt

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ctgtgtctcc actgtctctc tgaacctcca tgggtgtgca agttaccagt ggctaatagag 180
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KOPCHICK8APCT (EDIS)(IPC).ST25.txt

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KOPCHICK8APCT (EDIS) (IPC).ST25.txt

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KOPCHICK8APCT (EDIS) (IPC).ST25.txt

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KOPCHICK8APCT (EDIS)(IPC).ST25.txt

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 tcattgacct atccaatncc aatngctgcc tccnggcccg agaatgaana atggcctgag 180
 cctccaggtg ggcaancncc naanagagca aggaggggggt tggtcgacat ggagaggccc 240
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Asn Gly Thr Phe Tyr Glu Phe Arg Thr Tyr Phe Leu Lys Pro Ser Lys
 35 40 45

Thr Asn Glu Phe Leu Glu Asn Phe Lys Asn Ser Val His Leu Arg Thr
 50 55 60

Ala His Ser Glu Met Ile Gly Tyr Trp Thr Val Glu Phe Gly Gly Arg
 65 70 75 80

Thr Asn Arg Val Phe His Ile Trp Lys Tyr Asp Asn Phe Ala His Arg
 85 90 95

Thr Ala Val Arg Lys Ala Leu Ala Lys Asp Lys Glu Trp Gln Glu Arg
 100 105 110

Phe Leu Ile Pro Asn Leu Ala Phe Ile Asp Lys Gln Glu Val Glu Ile
 115 120 125

Thr Tyr Leu Val Pro Trp Cys Lys Ile Gly Thr Pro Pro Lys Glu Gly
 130 135 140

Val Tyr Glu Leu Ala Thr Phe Gln Met Lys Pro Gly Gly Pro Ala Leu
 145 150 155 160

KOPCHICK8APCT (EDIS)(IPC).ST25.txt

Trp Gly Asn Ala Phe Lys Arg Ala Val Asn Ala His Val Glu Leu Gly
165 170 175

Tyr Ser Thr Leu Val Gly Val Phe His Thr Glu Tyr Gly Ala Leu Asn
180 185 190

Arg Val His Val Leu Trp Trp Asn Glu Ser Ala Asp Ser Arg Ala Ala
195 200 205

Gly Arg His Trp Ser His Glu Asp Pro Arg Val Val Ala Ala Val Arg
210 215 220

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Thr Ser Phe Ser Pro Leu Lys
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Phe Tyr Thr Tyr Ile Leu Ser Leu Phe Lys Leu Ile Val Ile Gly Gly
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Ala Gly Trp Val Leu Pro Gln Ser Leu Leu Gly Phe His His Cys Leu
35 40 45

Lys Glu Thr Ser Leu Leu Pro Asp Lys Asn Val Asn Arg Leu Leu Val
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Ile Asn Leu Ser Val Val Arg Ile Glu Thr Val Ala Leu Lys Glu Met
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Glu Leu Phe Phe Phe Leu Phe Phe Ser Arg Met Lys Lys Lys Lys Lys
20 25 30

Ala Ile Tyr Thr Ser Pro Phe Phe Thr Pro Asp Ser Cys Leu Glu Thr
Page 14

35

40

45

Ser Pro Ala Leu Pro Val Leu Gln Val Tyr Leu Pro Ser His Leu Phe
 50 55 60

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Asn Arg Ile Gly Pro Arg Thr Asp Lys Val Trp Lys Glu Asn Leu Leu
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 35 40 45

Arg Gly Arg Ile Ile Val Phe
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Leu Ser Lys Ala Thr
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Ile Pro Tyr Lys Ile Cys Ser Phe Thr Asp Lys Gly Ile
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Leu Cys Arg His Leu Ala Arg Thr Trp Glu Ser
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 <213> Mus sp.

<400> 19

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 1 5 10 15

Ser Val Leu Ser Thr Val Ala His Thr Phe Asn Pro Ser Ser Ser Thr
 20 25 30

Arg Gln Arg Gln Ala Asp Leu
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<400> 20

Met Phe Gln Glu Lys Lys Lys Phe Lys Gly Lys Ser His His Ser Glu
 1 5 10 15

Leu Lys Asn Val Pro Val Leu Ile Asp Ala Tyr Ser Leu Tyr Leu Tyr
 20 25 30

Arg Leu Lys Glu Val
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KOPCHICK8APCT (EDIS)(IPC).ST25.txt

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 Gly Ile Phe Met Asn Asn Thr Thr Asp Val Glu Met Ala Ala Ile Asp
 20 25 30
 Cys Asp Lys Ala Val Thr Val Glu Phe Lys His Asp Asp Lys Leu Ser
 35 40 45
 Glu Asp Val Gly Ala Leu Ile Gln Cys Ala Val Leu Tyr Thr Thr Ile
 50 55 60
 Ser Gly Gln Arg Arg Leu Arg Ile His Asn Leu Ala Leu Asn Cys Ser
 65 70 75 80
 Thr Gln Leu Ala Asp Leu Tyr Lys Ser Cys Glu Thr Asp Ala Leu Ile
 85 90 95
 Asn Phe Phe Ala Lys Ser Ala Phe Lys Ala Val Leu Asn Gln Pro Leu
 100 105 110
 Lys Ala Ile Arg Glu Ile Leu Val Asn Gln Thr Ala His Met Leu Ala
 115 120 125
 Cys Tyr Arg Lys His Cys Ala Ser Pro Ser Ala Ala Ser Gln Leu Ile
 130 135 140
 Leu Pro Asp Ser Met Lys Val Leu Pro Val Tyr Met Asn Ser Leu Leu
 145 150 155 160
 Lys Asn Cys Val Leu Leu Ser Arg Ser Glu Ile Ser Pro Asp Glu Arg
 165 170 175
 Ala Tyr Gln Arg Gln Leu Val Met Thr Met Gly Val Ala Asp Ser Gln
 180 185 190
 Leu Phe Phe Tyr Pro Leu Leu Leu Pro Ile His Thr Leu Asp Val Lys
 195 200 205
 Ser Ala Ala Leu Pro Pro Ala Val Arg Cys Ser Glu Ser Arg Leu Ser
 210 215 220
 Glu Glu Gly Ile Phe Leu Leu Ala Asn Gly Leu Asn Met Phe Leu Trp
 225 230 235 240
 Phe Gly Val Gly Ser Pro Pro Glu Leu Ile Gln Gly Ile Phe Asn Val
 245 250 255
 Pro Ser Phe Ala His Ile Asn Thr Asp Met Thr Ser Leu Pro Glu Val
 260 265 270

KOPCHICK8APCT (EDIS)(IPC).ST25.txt

Gly Ser Pro His Ser Gln Gln Leu Arg Met Ile Met Asn Asn Ile Gln
 275 280 285

Gln Lys Lys Pro Tyr Ser Met Lys Leu Ile Val Val Lys Gln Arg Glu
 290 295 300

Gln Arg Glu Met Ala Phe Arg Gln Phe Leu Val Glu Asp Lys Gly Leu
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Tyr Gly Gly Ser Ser Tyr Val Asp Phe Leu Cys Cys Val His Lys Glu
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Ile Cys Gln Leu Leu Asn
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<210> 27
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KOPCHICK8APCT (EDIS)(IPC).ST25.txt

<213> Mus sp.

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